

ABSTRACT

Channel equalizer of VSB modulation system in a digital TV receiver, including a frequency domain equalizer for equalizing a received signal to remove a distorted component from the received signal, a noise removing part for removing noise from the equalized signal, a time domain equalizer for equalizing a signal from the frequency domain equalizer or the noise removing part to remove a distorted component from the signal, and an error providing part for estimating an error required for renewal of a coefficient at the time domain equalizer by using a signal from the time domain equalizer or the noise removing part, and feeding the error back to the time domain equalizer.